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CENTRAL INTELLIGENCE AGENCY

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Class. CHANGED TO: TS S
DDA Memo, 4 Apr 77
Auth: DDA REG. 77/1763SUPPLEMENT TO
REPORT NO. 25X1A6a1. Turbo-jet Engines for Airplanes

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Parts for about 200 turbo-jet engines with one turbine rotor (Messerschmidt type) are available in the assembly section (Major Liska in charge). So far, only about 10 engines have been assembled; these are being tested in a specially built laboratory. The various degrees of efficiency at various temperatures are not known to informant. It is believed that the CKD (Ceskomoravska Kolben-Danek) is the main producer of turbo-jet engines, with an output of approximately 40 engines per month.

2. Starter and Explosive Rockets

Rockets are being tested in a concrete shelter adjacent to the Podmokly plant of the Institute, where pressure and exhaust temperatures are measured. Explosive rockets are tested at the firing range located near the plant in the direction of Ceska Kamenice. Starter rockets are tested at the Malacky (Slovakia) airfield. Captain Alois Prokop is in charge of these experiments. Staff Captain Dr. Grossman is the chemical expert of this project.

3. Ing. Karel Witt constructed a mine detector which he had patented and whose description was published in the Czech magazine "Česky elektrotechnik" (Czech Electrical Engineer). This instrument, however, failed in practical tests because it was so highly sensitive that it responded to even the smallest scrap of metal. Ing. Witt remained in Podmokly, where he works in the turbo-jet engine factory.

4. German Employees of the VTU, Praha

- a. The following are employees of the Military Technical Institute (VTU - Vojensky Technicky Ustav), Department of Electro-Physics, in Prague:

Ing. Karel Pfister	Ing. Loos
Ing. Handrick	Ing. Backes
Ing. Seidel	Ing. Golicke

- b. Ing. Roman Golicke constructed a small sending and receiving radio set for gliders (wavelength 10 cm, 2 exchangeable crystals). Up to May 1948 about 25 sets had been produced.

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- c. Ing. Loos is in charge of the oscillograph laboratory, where oscillographs for various laboratory uses are being produced. Parts of German origin are used in their production. Ing. Loos also works on the project of remote control of German-made torpedoes.
- d. Ing. Karel Pfister, a German, and Ing. Matznär, a Czech, worked on the construction of capacity and induction gauges for measuring gas pressures. The gauges were destined for the Podmokly plant for the starter rockets laboratory. Ing. Pfister informed the Czechoslovak General Staff about the principles of the German V-2.
- e. Ing. Matlas, a Czech, is working on the problem of a short-time battery.

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